

Technical Report 1046

Preliminary Report on Selected Life Course Variables and Reasons for Volunteering for the 28th Sinai Deployment

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14. ABSTRACT (Maximum 200 words): This report documents the before-deployment to the Sinai, a peacekeeping operation that comprised troops from the Reserve Component (RC) as well as the Active Component (AC). Before deploying, 503 soldiers completed surveys developed by the U.S. Army Research Institute for the Behavioral and Social Sciences that contained items covering a broad range of demographic and attitudinal variables. The findings of this report concern the reasons RC soldiers gave for volunteering; the expected effects of the deployment on the lives of all soldiers; and all employees' before-deploying educational aspirations, career intentions, organizational commitment, and marital/family status. RC soldiers' reasons for volunteering involved adventure, career challenge/advancement, and patriotism. The entire sample of soldiers expected the deployment to have positive effects on various aspects of their lives, especially their physical health and their military careers. Levels of organizational commitment and career intentions were high across the entire sample. Married soldiers reported high marital satisfaction and high levels of spouse support for the deployment. Differences among subgroups tended to be small, although RC soldiers were generally more positive than AC soldiers, and officers were more positive than enlisted personnel. There were few substantive differences among the soldiers on the variables examined. The authors conclude that before-deployment status on the selected variables is roughly equivalent for the entire sample of employees across both components (RC and AC) and all three rank levels (junior enlisted personnel, noncommissioned officers, and officers).					
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FOREWORD

In compliance with the Camp David Accords of 1987 and the Egyptian-Israeli peace treaty protocol of 1981, the U.S. Army has participated in a Multinational Force and Observers (MFO) peacekeeping mission in the Sinai Desert. Traditionally, this participation has involved a 6-month rotational deployment of a battalion-sized Active Component (AC) infantry unit. Recently, however, a composite battalion of AC and Reserve Component (RC) soldiers was deployed, with the latter coming primarily from the Army National Guard's 29th Infantry Division (Light). The purpose of this rotation was to evaluate the ability of AC and RC soldiers to blend into a military unit capable of effectively performing a real-world mission and thereby determine if the concept should be continued or not. This report documents before-deployment research on respondents' reasons for volunteering; expectations for effects on various aspects of their lives; and their career plans, organizational commitment, educational aspirations, and marital/family status.

The research was conducted by the U.S. Army Research Institute's Organization Personnel Resources Research Unit (OPRRU) under work package 6952, "Multinational Force and Observers (MFO): Rotation #28," which is organized under the "Manpower and Personnel" program area.

The Army Deputy Chief of Staff for Personnel sponsored this research. Results have been presented to Assistant Secretary of the Army for Manpower and Reserve Affairs; Chief and Vice Chief of Staff of the Army; Deputy Chief of Staff for Personnel; Deputy Chief of Staff for Operations and Plans; Chief, National Guard Bureau; Director, Army National Guard; Deputy Chief of Staff for Operations, Forces Command; and Deputy Chief, Army Reserve.

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PRELIMINARY REPORT ON SELECTED LIFE COURSE VARIABLES AND REASONS FOR VOLUNTEERING FOR THE 28th SINAI DEPLOYMENT

EXECUTIVE SUMMARY

Research Requirement:

The U.S. Army has provided troops for peacekeeping operations in the Sinai since 1981. For the 28th deployment to the Sinai (January-July 1995), these troops were drawn primarily from the Reserve Component (RC) rather than the Active Component (AC). The U.S. Army Research Institute for the Behavioral and Social Sciences (ARI) is conducting research that is tracking the training and deployment of the battalion serving in this innovative peacekeeping operation. This report documents the before-deployment status of the members of the battalion on selected variables.

Procedure:

The sample for this research comprised the 407 RC soldiers and the 96 AC soldiers who completed a before-deployment survey. The findings reported here are based on responses dealing with the reasons the RC soldiers gave for volunteering for the deployment and the responses of all soldiers (both RC and AC) to survey items dealing with expected effects of the deployment on various aspects of their lives. In addition, the pre-deployment status of all soldiers concerning their organizational commitment, career intentions, educational aspirations, and marriages/families was documented.

Findings:

The most frequently endorsed reasons for volunteering were service to country/Army, work challenge, and career advancement. In general, all soldiers expected the effects of the deployment on various aspects of their lives to be neutral to highly positive. RC soldiers (who were truly volunteers) typically rated the effects somewhat higher than the AC soldiers. All soldiers were relatively high in affective commitment (emotional attachment to the military), and did not perceive the costs of leaving the military (continuance commitment) as too high by the respondents. As is usually the case in organizational research, officers tended to expect somewhat more positive effects than did soldiers in the lower ranks. Sizable proportions of soldiers in both components and at all rank levels were interested in continuing with the Army for a 20-year career or longer, and all subgroups had high aspirations for additional education. The older (higher rank) soldiers were more likely to be married and to have children, with all groups reporting high levels of spouse

support for the deployment and high levels of marital satisfaction.

Utilization:

The data concerning reasons for volunteering provide input for Army planners and policy makers regarding recruitment for future deployments. The information relating to expected effects and the present status of various aspects of soldiers' lives will provide baseline data for future research.

PRELIMINARY REPORT ON SELECTED LIFE COURSE VARIABLES AND REASONS
FOR VOLUNTEERING FOR THE 28th SINAI DEPLOYMENT

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Preliminary Report on Selected Life Course Variables and Reasons for Volunteering for the 28th Sinai Deployment

Introduction

Background

The United States Army has provided troops for peacekeeping operations in the Sinai since 1981. These troops, who serve a six-month deployment, have heretofore been members of the Active Component (AC). Due to Congressional cuts for the military and the limitations imposed by reductions in military strength, the Department of Defense (DoD) has considered ways in which the reserve forces of the military might fill some of the gaps which have resulted from downsizing. One of the ways in which reserve forces might play a larger role in the future is by participation in peacekeeping operations.

Thus for the 28th deployment to the Sinai, the American troops were largely Reserve Component (RC) volunteers. Most of them were from Army National Guard (ARNG) units,¹ and some were from the Individual Ready Reserve (IRR). Active Component (AC) soldiers also served in the battalion which was formed for the 28th deployment.²

Since the RC had never before participated in such a deployment, it was not clear to the Army just how this innovative operation would affect the peacekeeping operation. Nor was it known how the deployment would affect the participating soldiers and their families and how these effects would influence commitment, retention, and other outcomes of interest to the Army.

The Army Research Institute (ARI) conducted research on RC participation in the Army's 28th deployment to the Sinai. However, the research described in this report is only part of the research ARI researchers conducted.

¹The ARNG's 29th Infantry Division (Light) was the division holding administrative responsibility for the RC personnel of the mission and from which most (294) of the ARNG volunteers came.

²The deploying battalion was the 4th Battalion, 505 Parachute Infantry Regiment, 82nd Airborne Division.

Purpose of Research

The purpose of the present research was twofold: (1) to ascertain the reasons why members of the RC volunteered for this deployment, and (2) to provide baseline data related to various aspects of the soldiers' lives that might be affected by a major life course event such as a peacekeeping deployment. Knowing why soldiers volunteer for this kind of mission can provide the Army with useful information for future deployments of RC soldiers. Ascertaining the effects of such deployments on soldiers and their families will enable the Army to assess the pros and cons of such deployments and provide guidance for future Army policy and planning relating to the use of reservists in peacekeeping operations.

Research Questions

The questions to be explored in the portion of the ARI research described in this document are:

1. Reasons. What are the reasons RC soldiers give for volunteering for this peacekeeping deployment?
2. Anticipated effects. What effects do soldiers expect the deployment to have on various aspects of their lives? Before they deploy, how do soldiers expect the deployment to affect the following:
 - physical health
 - emotional well-being
 - civilian job/career
 - military career
 - marriage
 - adjustment to spouse upon return
 - children
 - likelihood of volunteering for future operations
 - likelihood of remaining in ARNG/IRR/AC
3. Before-deployment status. At this before-deployment point, what are soldiers' organizational commitment, career intentions, educational aspirations, and marital/family status?

Method

Sample

The sample for this research comprises the 407 RC soldiers and the 96 AC soldiers who completed a before-deployment survey. The RC respondents had volunteered and were selected for the deployment. The AC soldiers may or may not have volunteered in

the usual sense of the word. The RC soldiers were from ARNG units and from the IRR.

Measures

In this section, we indicate how we have operationalized the variables of interest. Two almost identical surveys contained these measures. The first survey was administered in August 1994 to the leadership of the new battalion to be deployed to the Sinai. The second survey was administered in October 1994 to the remaining soldiers, primarily the junior enlisted personnel of the battalion. Both surveys were administered at Fort Bragg at an early point in the deployees' training. Appendix A contains a copy of the Background and Training questionnaire administered in October 1994.

The principal sources for the original items came from previous surveys and/or discussions with volunteers during five week-end inprocessing days at Fort Belvoir, VA. We also considered comments obtained by researchers administering questionnaires and the comments made by respondents on the first survey administered at Fort Bragg. The measures of organizational commitment and job satisfaction were based on research in the industrial/organizational psychology literature (Allen & Meyer, 1990; Meyer & Allen, 1984; Seashore, Lawler, Mirvis, & Cammann, 1982; Teplitzky, 1991).

Reasons for volunteering. The checklist of reasons for volunteering contained 15 items: 14 specific categories (e.g., medical benefits, challenging work, adventure/travel) plus an "other" category. Respondents rated each reason on a 5-point Likert scale from Very Unimportant to Very Important. There was also a Not Applicable option. This set of items is on page 8 of the Background and Training questionnaire administered at Fort Bragg in October 1994 (Appendix A). A general item asking soldiers how they felt about going to the Sinai (also on a 5-point scale from Very Negative to Very Positive) is on page 7 of the same questionnaire.

Expected effects of Sinai deployment. Previous research (e.g., Card, 1983; Ivie, Gimbrel, & Elder, 1991) has shown that life course events such as military service have long-term as well as short-term effects on people's lives. To tap into some of these changes, survey respondents were asked to rate the anticipated effects of the deployment on various aspects of life, such as physical health, civilian job/career, marriage, and children. The soldiers responded to anticipated change in each life aspect by checking a 5-point Likert scale ranging from Strongly Disagree to Strongly Agree or a Not Applicable option. This expectations variable comprises the items on page 9 of the

Background and Training questionnaire administered at Fort Bragg in October 1994 (Appendix A).

Organizational commitment. The commitment variable was operationalized in a 15-item scale based on the Meyer and Allen (1984; Allen & Meyer, 1990) measure of organizational commitment. The Meyer and Allen instrument was modified by substituting "the military" for "my organization" and deleting one item which did not apply to the military. We also reworded reverse-coded items so that all items read in a positive direction. We used two of the three subscales that Meyer and Allen identified in their instrument.³ These two scales were: affective commitment, which is the emotional attachment the respondent feels for the organization, and continuance commitment, which assesses the costs to the person of leaving the organization.⁴ The respondent rated each item on a 5-point Likert scale from Strongly Disagree to Strongly Agree. This variable, entitled "Army Organization," comprises the items on page 10 of the Background and Training questionnaire (Appendix A).

Career intentions. Intentions concerning making a career in the military were measured on a 6-point scale representing the length of time the respondent expected to remain in the military. This item was based on the Propensity to Stay Measure of Teplitzky (1991) but was adapted to be appropriate for RC personnel as well as AC soldiers. The career intentions item is on page 11 of the Background and Training questionnaire (Appendix A).

Educational aspirations. Three items related to the respondent's educational aspirations. One asked for the highest educational level the respondent had attained to date; another asked about expectations for acquiring additional education; and a third asked about plans for taking courses while in the Sinai. These items are No. 7, No. 26, and No. 27, respectively, in the Background and Training questionnaire (Appendix A).

Marital/family status. The measure of marital status was item No. 8 in the Background and Training questionnaire (Appendix A). Item 13 in the same questionnaire asked the respondent how many dependent children he/she had. A third item (No. 30 in the Family and Finances questionnaire administered at the same time and place) asked for an assessment of the quality of the marital

³We did not use a third subscale, normative commitment, as it was not relevant for our purposes.

⁴Teplitzky (1991) used the Meyer and Allen (1984) affective dimension in her measure of organizational identification, substituting "the Army" for "my organization." Teplitzky used reverse coding for four of the seven items in her scale.

relationship. The item read as follows: "On a scale from 1 to 7, where 1 means very unhappy and 7 means very happy, how would you describe your marriage (or important relationship), at the present time?"

Procedure

Survey instruments which included the measures described above were administered to the battalion before deployment. ARI researchers administered the first survey in August 1994 at Fort Bragg, North Carolina, shortly after the battalion leadership had reported for their before-deployment training. Researchers administered a second, almost identical survey, to the rest of the battalion in October 1994.

Analyses

The analyses for the research reported here involved only before-deployment data. We generally report results for the entire sample. Where appropriate and of interest, results are broken out by component (RC and AC) or by rank (junior enlisted, NCOs, and officers). Rank is of course confounded with age as NCOs and officers tend to be older than junior enlisted personnel. And since a larger proportion of the AC was in leadership positions, component (RC or AC) is also confounded with age and rank.

We investigated component sub-group differences using the analysis of variance (ANOVA) procedure. For rank comparisons, which involved three groups, we used Tukey's Honestly Significant Difference technique to test for significance. We present these comparison data, however, with two cautions: (1) Substantive, not necessarily statistically significant, differences are the important ones (Cohen, 1994); (2) These comparisons involved a considerable number of tests based on a limited number of people.

Results

Reasons for Volunteering

Overall results. Table 1 contains means and standard deviations of importance ratings by the RC soldiers on their reasons for volunteering. Because most of the AC soldiers did not truly volunteer for the deployment, AC comparisons with the RC do not seem meaningful for this variable.⁵ As can be seen in

⁵The AC respondents, however, were very positive about going to the Sinai. Some 86% of them responded that they were very or somewhat positive about deploying, compared to 96% of the RC respondents. A larger proportion of the AC (10%) than the RC (3%) were neutral about deploying.

the table, the most highly rated reasons (over 4.0 on a 5-point scale) were adventure, challenging work, serving one's country, and career advancement. The lowest rated reasons were being unemployed, family pressures/problems, and getting away from a bad neighborhood. In between ratings were generally associated with various benefits and the need for more money.

Some of the reasons written in under the "other" category included: "get into good shape for college athletics," "take time off from girlfriend," and "missed the Army."

Comparisons by rank. In Table 2, we present reasons for volunteering broken out by rank (junior enlisted personnel, NCO's, and officers). In general, differences were not great even if they were statistically significant. Junior enlisted and NCO's rated benefits and "educational course credit" more highly than did officers. Junior enlisted also ranked "needed more money" and "get away from a bad neighborhood" higher than the other two groups. On the remaining reasons, the three groups did not differ significantly from each other.

Comparisons of employed and unemployed RC soldiers. There were relatively few differences between soldiers who had been employed and those who had not been employed before volunteering. As can be seen in Table 3, employed soldiers ranked "adventure/travel" significantly lower than did soldiers who had not been employed. Greater differences occurred on "needed more money" and "was unemployed," both of which employed soldiers ranked significantly lower than did unemployed soldiers.

Anticipated Effects of Deployment

Before they deployed, soldiers were asked to indicate how they expected various aspects of their lives to change as a result of the deployment to the Sinai. Tables 4 and 5 contain the means and standard deviations for soldier expectations for various life aspects. The 5-point scale ranged from "Strongly Disagree" to "Strongly Agree," with each item stated in a positive fashion using terms such as "improved," "enhanced," etc.

Table 4 shows findings for the entire sample and for the two components. Soldiers' expectations for deployment effects were positive, averaging 3.74 on the 5-point scale. Expectations for effects on marriages and families were less positive than the overall mean (3.33), with the other effects perceived more favorably (3.94).

As can be seen in the table, physical health and military career were the aspects of their lives that soldiers in the entire sample and in both components expected to be most positively affected. In general, the RC soldiers expected more positive outcomes than did AC soldiers. Significant differences between components (RC>AC) occurred on expectations for physical health, emotional well-being, and several outcomes related to military careers and military service.

Table 5 contains data on the deployment effects expected by the various rank groups. There were some significant differences between expectations of the junior enlisted personnel and those of NCOs and officers. For example, junior enlisted anticipated more positive outcomes for physical health and emotional well-being as well as for two outcomes related to military careers. Junior enlisted and Officers expected to be more willing to stay in the Army than did the NCOs.

Not shown in Table 5 is the general item relating to how positively the soldier felt about going to the Sinai. The overall mean was 4.69 on a 1-5 scale, with means for all component and rank groups uniformly high.

Organizational Commitment

Commitment status overall and by subgroups. Before-deployment scores for the two scales of the organizational commitment measure can be found in Table 6. The overall mean for affective commitment (emotional attachment to the organization) was 3.49 on a 5-point scale, and the overall mean for continuance commitment (perceived costs of leaving the military) was 2.76. The RC soldiers and the AC soldiers did not differ on either type of commitment. The only significant difference we found between groups on commitment occurred in the comparisons by rank for affective commitment: officers scored significantly higher on affective commitment than did either junior enlisted soldiers or NCO's. We did not find any significant differences among the three rank groups on continuance commitment.

Factor analysis of measure. Factor analysis of the correlations among the organizational commitment variables revealed three distinct factors. The two strongest factors support the findings of Allen and Meyer (1990) who provided evidence to support the conceptualization of organizational commitment in terms of an affective component and a continuance component. The basic structure of these factors is presented in Table 7.

The most powerful factor, accounting for nearly 32% of the variance, was the continuance component. This factor reflected the soldier's perceptions of the costs associated with leaving the military.

The second factor, accounting for 19% of the variance, was the affective component. This factor reflected feelings of emotional attachment to the military. The three items we found that had the highest loadings on our affective factor were also found by McGee & Ford (1987) to have had the highest loadings on the affective factor in their factor analysis. The three items on our adapted measure were:

- (1) I feel a strong sense of belonging to the military.
- (2) The military has a great deal of personal meaning for me.
- (3) I feel "emotionally attached" to the military.

The third factor had a marginal eigenvalue of 1.05. This result suggests that the factor was primarily defined by the one item which did not load significantly on the affective or continuance factor. This item, "I really feel as if the problems of the military are my own," was reported by Allen and Meyer (1990) to have loaded on their affective factor.

Career Intentions

Table 8 contains before-deployment career intentions for the soldiers who deployed to the Sinai. Note that the original response options to the career plans items were collapsed into three categories: (1) those who had already been in for 20 years or planned to stay in until or beyond 20 years, (2) those who were undecided about their career plans, (3) and those who planned to leave before 20 years.

Component differences were small. A slightly larger percentage of RC than AC were undecided about their career plans (33% vs. 26%), and a smaller percentage of RC than AC were planning to stay in the military until or beyond a 20-year retirement (55% vs. 62%). There was no difference between components in the percentage of soldiers planning to separate before 20 years (each 12%).

Because the number of officers was so small when distributed across the three categories, comparisons by rank for this group are inconclusive. The youngest group, junior enlisted soldiers, was least likely to stay until or beyond 20 years, was most undecided about staying, and was most likely to plan to separate before 20 years.

Educational Status and Aspirations

Tables 9 and 10 relate to deployees' before-deployment educational status and educational aspirations. Table 9 contains data for the entire sample and for the two components. Differences between components were minimal. A larger proportion

of AC soldiers (20%) held a bachelor's degree than did the RC soldiers (7%), and a somewhat larger proportion of RC soldiers planned to travel during deployment than did AC soldiers (97% vs. 86%).

Larger differences are found in Table 10, which contains data for the three rank groups. As the table shows, 93% of the officers held a bachelor's degree or higher, while fewer than 6% of the junior enlisted and 11% of the NCOs were at this educational level. With respect to future educational plans, 89% of the officers anticipated eventually obtaining an advanced or professional degree compared to the 24% of junior enlisted and the 16% of NCOs who aspired to this educational level. Fewer officers planned to take educational courses for credit (61%) in the Sinai than did either junior enlisted soldiers (82%) or NCOs (87%). Very large proportions of all groups planned to travel while on the Sinai deployment (100% of officers, 90% of NCOs, and 96% of junior enlisted).

Marital and Family Status

Marital status. Table 11 shows that 36% of all deployed soldiers were married at the time of the before-deployment data collection. About twice as many AC were married as RC, with the lowest proportion of marriages found among junior enlisted (22%) and larger proportions found in the officer (44%) and NCO (62%) groups. However, age is confounded with marital status since junior enlisted were younger (mean = 24 years) than either officers (mean = 30 years) or NCOs (mean = 32 years).

Dependent children. The same pattern found for marital status was duplicated in the results for number of dependent children. As can be seen in Table 11, AC soldiers reported more dependent children than did RC soldiers, while junior enlisted personnel had fewer dependent children than either officers or NCOs. Again, this variable is confounded with age.

Spouse support. In general, the various subgroups reported relatively high levels of spouse support for the soldier's going on the MFO deployment. Table 11 shows that 80% of the entire married/committed sample reported positive ("supportive" or "very supportive") support. Some 82% of RC soldiers and 75% of AC soldiers reported positive support, while 83% of junior enlisted, 76% of NCOs, and 88% of officers reported this level of support.

Quality of relationship. All groups, especially officers, reported relatively high levels of relationship happiness. Table 11 shows that the overall mean was 5.50 (on a 7-point scale). Component means were 5.14 for the RC and 5.56 for the AC. Rank means were 5.29 (junior enlisted), 5.20 (NCOs), and 5.75 (officers).

Discussion

Reasons

The most popular reasons for volunteering by the RC soldiers were service, adventure, and work/career challenge and advancement. Various benefits (medical, dental, retirement) and the need for more money received modest ratings of importance. Respondents rated as lowest in importance reasons such as time out from school/job, family problems, and unemployment.

Differences among the various RC groups seemed more related to age or educational level than to component or rank. Junior enlisted personnel, for example, rated the importance of "take time out from school/job" higher than NCOs and officers. The more highly educated officers, on the other hand, rated educational course credit lower than the other two rank groups.

Employment status of the RC soldiers prior to volunteering seemed related to some reasons. Soldiers who had been unemployed before volunteering for the deployment rated "needed more money" and "was unemployed" significantly higher than soldiers who had been previously employed.

Effects on Various Aspects of Soldiers' Lives

We have two means by which we can identify changes in soldiers' lives: first, we can ask them what has changed and how it has changed; second, we can establish their before-deployment status and then determine after the deployment whether or not change has occurred. In our research, we expect eventually to follow both approaches. For the present report, however, we can only report what effects soldiers expected and what their before-deployment status was with respect to organizational commitment, career intentions, educational aspirations, marriage, and family.

Anticipated effects. In general, all soldiers expected the effects of the deployment on various aspects of their lives to be neutral (no change) to highly positive. Although the RC soldiers tended to be more positive than AC soldiers about anticipated effects, the pattern for both groups was similar. That is, the most positive effects were expected for the same variables by both components. Because the RC soldiers were volunteers, it seems reasonable that they would anticipate positive effects--or they would not have volunteered. And because most of the AC soldiers were not truly volunteers, it is not surprising that they rated the various outcomes somewhat less positively.

The significant rank differences on anticipated effects consisted of more positive expectations by junior enlisted personnel. The pattern of RC/AC differences holds for the comparisons of junior enlisted personnel with the other rank

groups. Because half the leadership of the battalion was from the AC, this finding does not surprise us. We would expect the RC volunteers, who constituted the bulk of junior enlisted personnel, to have the most positive expectations.

Although there were some group differences in anticipated effects, all soldiers--regardless of rank or component--had highly positive feelings about going to the Sinai.

Organizational commitment. Affective organizational commitment (emotional attachment to the organization) was strong for both components, and officers were higher on this type of commitment than were NCOs and enlisted personnel. This result is often found in Army organizational research--officers are consistently more positive, more favorable, and/or optimistic about the Army and their future than are other soldiers. There were no differences in continuance commitment between components or across ranks. Most soldiers seemed to feel that the costs of leaving the organization would not be excessively high. As the factor analysis demonstrated, continuance commitment accounted for more variance than did affective commitment.

Career intentions. In spite of the fact that the respondents seemed to believe that leaving the military would not entail excessive costs, sizable proportions of all groups expressed interest in continuing with the Army for a 20-year career or longer. A larger percentage of RC soldiers were undecided about their military career plans than were AC soldiers, a result which may be due to the fact that RC jobs are typically part-time and not full-time. Many of the RC have full-time civilian jobs and thus may be more ambivalent about whether or not they wish to seek a full career as a part-time military member.

Educational aspirations. As a whole, this sample had high educational goals for themselves, with many non-degreed soldiers aspiring to college degrees and those already holding bachelor's degrees aspiring to advanced or professional degrees. Sizable proportions of all soldier groups planned to take educational courses for credit while in the Sinai, although the proportion for the better-educated officers was somewhat less than for the other rank groups. The availability of appropriate courses, however, will be a factor to explore in subsequent research. Very large proportions of all groups (100% of the officers, for example) planned to travel to other countries during their deployment. Again, we will need to examine whether or not employees carried out plans for such travel.

Marital/family status. Generally speaking, the marital and family status of a soldier seemed more related to his or her age than to factors such as component or rank. Higher rank (older) soldiers tended more often to be married and to have children.

Those who were married reported high levels of spouse support for the deployment and high levels of satisfaction with the marriage.

Summary and Conclusions

What we consider remarkable about these findings is that we found so few differences among groups. On some variables, the usual officer-enlisted divergence occurred, with officers responding more positively. On other variables, RC soldiers responded somewhat more positively than AC soldiers. But considering the fact that the majority of the soldiers were not only volunteers but also from the RC, we would have expected to find more and larger differences. Future research will show whether or not greater differences among groups will emerge over time. For the present, we conclude that before-deployment status on life-course variables is roughly equivalent for the entire sample of deployees across both components and all three rank levels.

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Table 1

Reserve Component (RC) Reasons for Volunteering for Deployment

Reason ^a	<u>N</u>	Mean	(SD) ^b
Adventure/Travel	401	4.42	(.93)
Challenging work/Learn new skills	402	4.25	(.97)
Serve country/Serve Army	400	4.15	(1.01)
Military career advancement/promotion	401	4.07	(1.06)
Educational course credit	396	3.70	(1.18)
Needed more money	401	3.66	(1.24)
Earn points toward retirement	402	3.50	(1.27)
Dental benefits	401	3.39	(1.22)
Medical benefits	402	3.38	(1.20)
Montgomery G.I. Bill benefits	399	3.24	(1.33)
Take time out from school/job	402	3.02	(1.37)
Was unemployed	393	2.23	(1.40)
Family pressures/problems	399	2.17	(1.27)
Get away from bad neighborhood	396	1.87	(1.20)

^aIn descending order of importance

^bRated on five-point scale (1 = very unimportant to 5 = very important)

Table 2

Reserve Component Reasons for Volunteering for Deployment by Rank

Reasons	Rank						Differences ^b
	Junior enlisted		NCO's		Officers		
	N	Mean (SD) ^a	N	Mean (SD) ^a	N	Mean (SD) ^a	
Earn retirement points	289	3.50 (1.25)	89	3.54 (1.32)	21	3.33 (1.46)	J=N=O
Medical benefits	289	3.40 (1.17)	89	3.47 (1.20)	21	2.67 (1.49)	J&N>O
Dental benefits	289	3.42 (1.19)	88	3.44 (1.21)	21	2.71 (1.55)	J&N>O
G.I. Bill benefits	286	3.35 (1.29)	89	3.01 (1.32)	21	2.14 (1.42)	J&N>O
Challenging work/ learn new skills	290	4.20 (1.01)	88	4.35 (.83)	21	4.52 (.93)	J=N=O
Career advancement/ promotion	288	4.11 (1.06)	89	3.91 (1.07)	21	4.00 (1.10)	J=N=O
Serve country/ Serve Army	287	4.11 (1.02)	89	4.20 (.98)	21	4.48 (.68)	J=N=O
Adventure/travel	288	4.43 (.93)	89	4.35 (1.01)	21	4.52 (.60)	J=N=O
Educational courses	284	3.80 (1.19)	88	3.65 (1.03)	21	2.57 (1.12)	J&N>O
Needed more money	288	3.82 (1.18)	89	3.29 (1.36)	21	3.19 (1.25)	J>N&O

Table 2 - Continued

Reasons	Rank					
	Junior enlisted		NCO's		Officers	
	N	Mean (SD) ^a	N	Mean (SD) ^a	N	Mean (SD) ^a
Was unemployed	282	2.27 (1.40)	87	2.21 (1.45)	21	2.00 (1.30)
Take time out from school/job	290	3.05 (1.36)	88	2.90 (1.29)	21	3.10 (1.76)
Family pressures/problems	288	2.23 (1.26)	88	2.12 (1.35)	20	1.70 (1.08)
Get away from bad neighborhood	286	1.92 (1.20)	87	1.85 (1.27)	20	1.20 (.62)

^aRated on five-point scale (1 = very unimportant to 5 = very important). Differences significant at $p < .05$

^bJ = Junior enlisted; N = NCO's; O = Officers.

Table 3

Reserve Component Reasons for Volunteering for Deployment by Employment Status

Reason	Employment Status				Differences ^b
	Employed		Not employed		
	N	Mean (SD) ^a	N	Mean (SD) ^a	
Earning retirement points	215	3.56 (1.21)	54	3.19 (1.37)	E=NE
Medical benefits	215	3.40 (1.18)	54	3.26 (1.14)	E=NE
Dental benefits	214	3.41 (1.20)	54	3.30 (1.19)	E=NE
G.I. Bill benefits	214	3.20 (1.33)	53	3.17 (1.27)	E=NE
Challenging work/ new skills	214	4.28 (.93)	54	4.37 (.90)	E=NE
Career advancement/ promotion	215	4.07 (1.06)	54	4.04 (.91)	E=NE
Serve country/Army	213	4.21 (.94)	54	4.15 (.88)	E=NE
Adventure/travel	216	4.42 (.90)	54	4.70 (.54)	E<NE (p<.004)
Educational course credit	211	3.74 (1.11)	54	3.70 (1.25)	E=NE
Needed more money	215	3.47 (1.30)	54	4.33 (.70)	E<NE (p<.0001)

Table 3 - Continued

Reason	Employment Status				Differences ^b
	Employed		Not Employed		
	N	Mean (SD) ^a	N	Mean (SD) ^a	
Was unemployed	209	2.01 (1.30)	54	3.56 (1.31)	E<NE ($p < .0001$)
Take time out from school/job	214	3.09 (1.37)	54	2.87 (1.28)	E=NE
Family pressures/problems	213	2.14 (1.28)	54	2.43 (1.31)	E=NE
Get away from bad neighborhood	212	1.89 (1.22)	54	1.94 (1.11)	E=NE

^aRated on five-point scale (1 = very unimportant to 5 = very important)

^bE = soldiers who had been employed before volunteering; NE = soldiers who had not been employed before volunteering.

Table 4

Anticipated Effects of Deployment on Life Aspects by Component

Aspects	All soldiers			Reserve Component			Active Component			Differences ^b
	N	Mean	(SD) ^a	N	Mean	(SD) ^a	N	Mean	(SD) ^a	
Physical health	491	4.50	(.81)	385	4.62	(.69)	91	3.97	(1.05)	R>A(p<.0001)
Emotional well-being	483	3.74	(1.02)	380	3.88	(.99)	88	3.19	(.93)	R>A(p<.0001)
Civilian job/career	414	3.16	(1.26)	361	3.16	(1.27)	39	3.18	(1.07)	R=A
Military career	489	4.39	(.76)	382	4.50	(.68)	92	3.95	(.93)	R>A(p<.0001)
Marriage	368	3.27	(1.23)	287	3.26	(1.22)	71	3.18	(1.27)	R=A
Adjusting upon return	296	3.45	(1.28)	221	3.42	(1.29)	68	3.62	(1.20)	R=A
Children	252	3.27	(1.16)	186	3.32	(1.12)	59	3.03	(1.29)	R=A
Volunteering in future	480	3.91	(1.18)	382	4.04	(1.11)	83	3.22	(1.29)	R>A(p<.0001)
Willingness to stay in Army	469	3.96	(1.02)	378	4.04	(.99)	76	3.49	(1.11)	R>A(p<.0001)

^aRated on a five-point scale ranging from 1 = very negative effect to 5 = very positive effect.

^bThe sum of R and A soldiers does not equal the total because some soldiers did not identify their component.

Table 5

Anticipated Effects of Deployment on Life Aspects by Rank

Rank									
Aspects	Junior enlisted			NCO's			Officers		Differences ^b
	N	Mean (SD) ^a		N	Mean (SD) ^a		N	Mean (SD) ^a	
Physical health	300	4.63 (.68)		151	4.26 (.94)		39	4.28 (1.00)	J>N&O
Emotional well-being	295	3.90 (.97)		151	3.46 (1.04)		34	3.65 (1.04)	J>N=O
Civilian job/career	282	3.26 1.25)		106	2.99 (1.20)		22	2.86 (1.52)	J=N=O
Military career	298	4.50 (.68)		150	4.24 (.86)		39	4.15 (.81)	J>N&O
Marriage	222	3.24 (1.23)		118	3.31 (1.26)		25	3.20 (1.08)	J=N=O
Adjusting quickly upon return	160	3.38 (1.33)		114	3.47 (1.24)		21	4.00 (1.00)	J=N=O
Children	128	3.36 (1.21)		107	3.20 (1.12)		14	3.36 (1.01)	J=N=O
Volunteering in future	296	4.02 (1.16)		144	3.62 (1.23)		38	3.95 (1.06)	J=O>N
Willingness to stay in the Army	298	4.03 (.99)		131	3.70 (1.11)		37	4.22 (.79)	J&O>N

^aRated on a five-point scale ranging from very negative effect to very positive effect.^bJ=Junior enlisted; N=NCOs; O=Officers. Differences significant at $p < .05$.

Table 6

Pre-Deployment Organizational Commitment

Group	Commitment			
	Affective		Continuance	
	N	Mean (SD)	N	Mean (SD)
All soldiers	506	3.48 (.58)	499	2.76 (.90)
	Component			
Reserve	398	3.49 (.58)	392	2.73 (.89)
Active	93	3.44 (.60)	92	2.87 (.88)
	Rank			
Junior enlisted	307	3.46 (.55)	300	2.81 (.88)
NCO's	157	3.46 (.64)	156	2.73 (.91)
Officers	38	3.77* (.44)	39	2.47 (.89)

*Officers differ significantly ($p < .05$) from other ranks on this variable.

Table 7

Varimax Rotated Factor Matrix of Continuance and Affective
Commitment Items

Commitment Measure	Continuance Factor 1	Affective Factor 2	Factor 3
<u>Continuance Items</u>			
Too costly to leave	<u>.80918</u>	.05064	-.07427
Afraid to quit/no job	<u>.80246</u>	-.06282	.09660
Scarcity of alternatives	<u>.77826</u>	-.01040	.03008
Leaving disrupts life	<u>.77023</u>	.16449	.09901
Necessity more than desire	<u>.71413</u>	.21304	.00442
Too few options	<u>.71409</u>	.03681	-.02249
Hard to leave now	<u>.71262</u>	.08820	.00268
Stay for benefits	<u>.48525</u>	.13674	.34446
<u>Affective Items</u>			
Sense of belonging	.09990	<u>.87651</u>	.06929
Personal meaning	.04764	<u>.82621</u>	.04367
Emotionally attached	.08185	<u>.82010</u>	.17710
Feel part of family	.13140	<u>.73124</u>	.18262
Enjoy discussing military	.10479	<u>.48969</u>	.47382
Military problems my own	.09386	.19238	.74655
Attach to another org.	.03954	<u>-.33130</u>	-.40336
Percent of Variance	31.7	18.8	7.7
Eigenvalues	4.75	2.83	1.05

Table 8

Pre-deployment Career Intentions

Group	Stay until/beyond 20 years		Undecided		Retire before 20 years	
	N	(%)	N	(%)	N	(%)
All soldiers	284	(56)	161	(32)	60	(12)
Component						
Reserve	216	(55)	131	(33)	49	(12)
Active	59	(62)	25	(26)	11	(12)
Rank						
Junior enlisted	143	(47)	118	(38)	46	(15)
NCO's	115	(74)	29	(19)	11	(7)
Officers	25	(64)	11	(28)	3	(8)

Note. Percentages may not total to 100% because of rounding error.

Table 9

Pre-Deployment Educational Status and Educational Aspirations by Component

Educational variables	Component		
	All soldiers	Reserve	Active
	Present educational status		
Less than bachelor's degree	86%	89%	76%
Bachelor's degree	10%	7%	20%
Higher than bachelor's degree	4%	4%	4%
	Future educational plans		
Less than bachelor's degree	47%	48%	43%
Bachelor's degree	27%	26%	27%
Higher than bachelor's degree	26%	26%	30%
	Deployment plans		
Take educational courses	82%	81%	88%
Plan to travel	95%	97%	86%

Note. Percentages may not total to 100% because of rounding error.

Table 10

Pre-Deployment Educational Status and Educational Aspirations by Rank

Educational variables	Rank		
	Junior enlisted	NCO's	Officers
Present educational status			
Less than bachelor's degree	95%	89%	8%
Bachelor's degree	5%	7%	62%
Higher than bachelor's degree	<1%	4%	31%
Future educational plans			
Less than bachelor's degree	50%	52%	5%
Bachelor's degree	26%	32%	5%
Higher than bachelor's degree	24%	16%	89%
Deployment plans			
Take educational courses	82%	87%	61%
Plan to travel	96%	90%	100%

Note. Percentages may not total to 100% because of rounding error.

Table 11

Pre-Deployment Marital/Family Status

Group	Variable					
	<u>Marital status^a</u>		<u>Number dependent children^b</u>		<u>Positive spouse support^c</u>	<u>Quality of marriage^d</u>
	Number married	1-2	3-4	5-6	Number of spouses	N Mean (SD)
All soldiers	188 (36%)	137 (27%)	34 (7%)	3 (<1%)	122 (80%)	143 5.29 (1.67)
Reserve	128 (31%)	91 (23%)	25 (6%)	1 (<1%)	84 (82%)	91 5.14 (1.66)
Active	58 (60%)	43 (47%)	9 (10%)	2 (2%)	37 (75%)	52 5.56 (1.68)
Component						
Rank						
Junior enlisted	69 (22%)	56 (18%)	13 (4%)	0	44 (83%)	42 5.29 (1.47)
NCOs	100 (62%)	68 (42%)	19 (12%)	3 (2%)	62 (76%)	84 5.20 (1.71)
Officers	17 (44%)	11 (28%)	2 (5%)	0	14 (88%)	16 5.75 (2.02)

^aIncludes soldiers currently married or remarried; does not include those reporting they were widowed or divorced.

^bPercent of entire group reporting this number of children.

^cNumber rating supportiveness of spouse for MFO deployment as "supportive" or "very supportive." Includes married or remarried respondents. Does not include those reporting they were separated.

^dRating of happiness of marriage at the present time on seven-point scale (1=very unhappy to 7=very happy). Includes married or remarried respondents. Does not include those reporting they were separated.

MULTINATIONAL FORCE AND OBSERVERS - SINAI

BACKGROUND AND TRAINING QUESTIONNAIRE

FORT BRAGG
OCTOBER 1994

INSTRUCTIONS:



- Fill in the circle for your choice completely
- Make no stray marks
- Erase changes completely

Please wait for the instruction to begin.

Thank you for your participation and cooperation.

This notification is to inform you of who is conducting this test and what use will be made of the information being collected, in accordance with Public Law 93-573, the Privacy Act of 1974. This test was compiled and is being administered by personnel of the U. S. Army Research Institute for the Behavioral and Social Sciences, headquartered at Alexandria, Virginia, as part of a research project on peacekeeping. This research is authorized by Acts of Congress which authorize recruitment and maintenance of military forces and authorize research to accomplish this goal. This authority is in 10 United States Code, Section 503 and 2358. The use of Social Security Numbers is authorized by Executive Order 9397.

Information on individuals is confidential and will not be used by nor released to anyone.
Information on groups of soldiers will be used only for research and policy analysis.

DEMOGRAPHICS

[illegible]First Initial:

2. Enter and fill in your SSN:

3. What was your age on your last birthday?

<p> </p>	

4. Are you male or female?

Male

 **Female**

5. What race do you consider yourself to be?

Aleut

☐ Asian or Pacific Islander

 Black

 Eskimo

☐ Indian (Native American)

White

☐ Other race

6. Are you of Hispanic/Spanish origin or ancestry (of any race)?

No

Yes -- Cuban

Yes -- Mexican/Mexican American, Chicano

Yes -- Puerto Rican

Yes -- other Hispanic, Spanish

7. What is the highest grade or level in school that you have completed? (mark only one)

Some high school, but no diploma

☐ GED or other high school equivalency certificate

☐ High school diploma

☐ 1 or 2 years of college, but no degree

Associate's degree -- Occupational program

Associate's degree -- Academic program

3 or 4 years of college, but no degree

Bachelor's degree

 A year or more of graduate credit, but no graduate degree

☐ Graduate or professional degree

- 8. What is your current marital status? (mark only one)**

Single and never married

Married for the first time

Remarried - was divorced or widowed

Separated due to marital problems but no legal action taken

Legally separated or filing for divorce

Divorced

Widowed

9. Are you engaged, or is there an important girlfriend/boyfriend in your life right now?

☒ Yes

☐ No

- 10. Which of the following applies to your spouse or important girlfriend/boyfriend? (mark all that apply)**

Not Applicable (N/A) - not married or no important girlfriend/boyfriend

☐ Employed in a civilian job

In school

☐ **Active Duty Military**

Is he/she taking Voluntary Separation Incentive (VSI) or Special Separation Benefit (SSB)?

N/A - Not offered or not eligible

No - Offered and eligible, but not taking VSI or SSB

Yes - Voluntary Separation Incentive

Yes - Special Separation Benefit

- 11. Enter and fill in the 5-digit zip code for your home of record.**

- 12. Which term best describes the type of area where you lived the majority of the time while you were growing up? (mark only one)**

N/A -- moved several times

Rural/farm

Suburban

City

Military Base/Post

Other

Dependent children are defined as unmarried children who depend on you for over half their support. This includes adopted children and stepchildren. A dependent child must also be in one of the following categories:

- Not yet 21 years old
- Attends college and not yet 23 years old, or
- Has mental or physical handicap and is any age

13. As defined above, how many dependent children do you have?

- | | |
|-----------------------------|-----------------------------------|
| <input type="radio"/> None | <input type="radio"/> Four |
| <input type="radio"/> One | <input type="radio"/> Five |
| <input type="radio"/> Two | <input type="radio"/> Six or more |
| <input type="radio"/> Three | |

14. How many dependent children live with you?

- | | |
|-----------------------------|-----------------------------------|
| <input type="radio"/> None | <input type="radio"/> Four |
| <input type="radio"/> One | <input type="radio"/> Five |
| <input type="radio"/> Two | <input type="radio"/> Six or more |
| <input type="radio"/> Three | |

15. Other than dependent children, how many people (such as parents or siblings) count on you to provide financial support?

- | | |
|-----------------------------|-----------------------------------|
| <input type="radio"/> None | <input type="radio"/> Four |
| <input type="radio"/> One | <input type="radio"/> Five |
| <input type="radio"/> Two | <input type="radio"/> Six or more |
| <input type="radio"/> Three | |

16. Just prior to your MFO assignment, which of the following were you a member of? (mark only one)

- | | |
|-----------------------|---|
| <input type="radio"/> | The Regular Army |
| <input type="radio"/> | The Individual Ready Reserve |
| <input type="radio"/> | On Active Duty, on full-time status, in an Army Reserve Unit. |
| <input type="radio"/> | On Active Duty, <u>not</u> on full-time status, in an Army Reserve Unit. |
| <input type="radio"/> | On Active Duty, on full-time status, in an Army National Guard Unit. |
| <input type="radio"/> | On Active Duty, <u>not</u> on full-time status, in an Army National Guard Unit. |

●

Detailed description of Figure 1: The graph plots the percentage of total energy expenditure (TEE) for various activities against the time of day (0 to 24 hours). The activities and their approximate percentage ranges are: Sleeping (blue line, ~75-85%), Resting (green line, ~10-20%), Sitting (red line, ~10-15%), Standing (orange line, ~10-15%), Walking (yellow line, ~5-10%), and Running (purple line, ~5-10%). Sleeping is the dominant activity at night, while walking and running are more prevalent during the day.

Time of day	Sleeping	Resting	Sitting	Standing	Walking	Running
0	80	10	10	10	5	5
4	80	10	10	10	5	5
8	75	15	10	10	10	5
12	70	15	10	10	10	5
16	65	15	10	10	10	5
20	60	15	10	10	10	5
24	80	10	10	10	5	5

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

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 $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} \frac{d}{dt} \right)$

No

b. Years/months on RESERVE/GUARD Duty

ENTER 0000 if
you have not served
any time on Active
Duty

ENTER 0000 if
you have not served
any time on Reserve/
Guard duty

 **Yes**

☐ No

24a. Have you ever served in a direct combat zone?

No -- GO TO Question 25.

Yes -- Please use the scale below to indicate your direct combat experience in each combat zone: (mark all that apply).

24b.

1 = Operation Desert Shield/Storm (ODS/S) 2 = Somalia 3 = Panama 4 = Grenada 5 = Vietnam 6 = Other zone(s)

I served in a combat zone in ...
I was in direct combat in...
I used a weapon against the enemy in...
I took enemy prisoners in...
I was under enemy fire in...
I was wounded by enemy action in...
I witnessed American casualties in...
I witnessed allied casualties in...
I witnessed enemy casualties in...
I witnessed civilian casualties in...

1. The first step is to identify the key components of the system. This involves understanding the hardware and software involved, as well as the data flow and the roles of the various components.

2. The second step is to define the system's goals and objectives. This involves determining what the system is intended to achieve and what the expected outcomes are.

3. The third step is to design the system architecture. This involves creating a high-level overview of the system's structure and the relationships between its components.

4. The fourth step is to develop the system's components. This involves creating the individual modules and sub-systems that will make up the overall system.

5. The fifth step is to integrate the components. This involves combining the individual components into a single, cohesive system.

6. The sixth step is to test the system. This involves verifying that the system meets its requirements and that it is able to perform its intended functions.

7. The seventh step is to deploy the system. This involves installing the system in its intended environment and making it available to users.

8. The eighth step is to maintain the system. This involves monitoring the system's performance and making any necessary updates or repairs.

9. The ninth step is to evaluate the system. This involves assessing the system's overall performance and determining whether it has met its goals and objectives.

10. The tenth step is to document the system. This involves creating a comprehensive record of the system's design, development, and deployment.

- 25. Enter and fill in your last Army Physical Fitness Test Score. (Scoring range from 0-300).**

Score	

Don't know score

26. What additional education do you eventually expect to acquire? (mark only one)

None

Just take courses - no degree

H.S. diploma

GED/Other H.S. equivalency certificate

Vocational/technical certificate or license

Associate's Degree

Bachelor's Degree

Master's Degree

Doctorate Degree

Professional degree (M.D., J.D., etc.)

- 27. Do you plan to take courses for credit while you are deployed in the Sinai?**

Yes

No

Not sure

- 28. Do you plan to travel outside the Sinai for recreation (e.g., in Egypt or Israel)?**

Yes

No

Not sure

- 29. Have you had any previous overseas military assignment(s)?**

Yes

No

- 30. How do you feel about going on overseas deployments in general?**

Very positive

Somewhat positive

Neutral

Somewhat negative

Very negative

31. How do you feel about going to the Sinai?

- ☐ Very positive
☐ Somewhat positive
☐ Neutral
☐ Somewhat negative
☐ Very negative

32. Do you think that this mission will be good for your Army career?

- ☐ N/A - I will leave the Army within the next year.
☐ Yes
☐ No
☐ Not sure

33. Please PRINT your name and permanent home address below.



●

●

1=very unimportant 2=unimportant 3=neither important nor unimportant 4=important 5=very important

Earning points towards retirement benefit
Medical benefits
Dental benefits
Montgomery G.I. Bill benefits
Challenging work/Learn new skills/Improve old skills
Military career advancement/Promotion
Serve country/Serve Army
Adventure/Travel/See the world/Learn about other cultures
Educational course credit/Credit towards degree
Needed more money
Was unemployed
Take some time out from school/job
Family pressures/problems
Wanted to get away from a bad neighborhood
Other - Please specify:_____

Comments:

EXPECTATIONS

Please indicate how you expect your deployment to the Sinai to affect various aspects of your life. Use the scale below to indicate how much you agree or disagree with EACH of the following statements:

1=strongly disagree 2=disagree 3=neither agree nor disagree 4=agree 5=strongly agree 6=N/A

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Spartina patens* (Muhl.) Bosc.
 3. *Scirpus americanus* (L.) Pers.
 4. *Distichlis spicata* (L.) Nees
 5. *Eleocharis acicularis* (L.) Rostk Schmidt
 6. *Eleocharis obtusa* (L.) Nees
 7. *Eleocharis palustris* (L.) Rostk Schmidt
 8. *Eleocharis tenuis* (L.) Rostk Schmidt
 9. *Eleocharis acicularis* (L.) Rostk Schmidt
 10. *Eleocharis obtusa* (L.) Nees
 11. *Eleocharis palustris* (L.) Rostk Schmidt
 12. *Eleocharis tenuis* (L.) Rostk Schmidt
 13. *Eleocharis acicularis* (L.) Rostk Schmidt
 14. *Eleocharis obtusa* (L.) Nees
 15. *Eleocharis palustris* (L.) Rostk Schmidt
 16. *Eleocharis tenuis* (L.) Rostk Schmidt
 17. *Eleocharis acicularis* (L.) Rostk Schmidt
 18. *Eleocharis obtusa* (L.) Nees
 19. *Eleocharis palustris* (L.) Rostk Schmidt
 20. *Eleocharis tenuis* (L.) Rostk Schmidt
 21. *Eleocharis acicularis* (L.) Rostk Schmidt
 22. *Eleocharis obtusa* (L.) Nees
 23. *Eleocharis palustris* (L.) Rostk Schmidt
 24. *Eleocharis tenuis* (L.) Rostk Schmidt
 25. *Eleocharis acicularis* (L.) Rostk Schmidt
 26. *Eleocharis obtusa* (L.) Nees
 27. *Eleocharis palustris* (L.) Rostk Schmidt
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 29. *Eleocharis acicularis* (L.) Rostk Schmidt
 30. *Eleocharis obtusa* (L.) Nees
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 33. *Eleocharis acicularis* (L.) Rostk Schmidt
 34. *Eleocharis obtusa* (L.) Nees
 35. *Eleocharis palustris* (L.) Rostk Schmidt
 36. *Eleocharis tenuis* (L.) Rostk Schmidt
 37. *Eleocharis acicularis* (L.) Rostk Schmidt
 38. *Eleocharis obtusa* (L.) Nees
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 41. *Eleocharis acicularis* (L.) Rostk Schmidt
 42. *Eleocharis obtusa* (L.) Nees
 43. *Eleocharis palustris* (L.) Rostk Schmidt
 44. *Eleocharis tenuis* (L.) Rostk Schmidt
 45. *Eleocharis acicularis* (L.) Rostk Schmidt
 46. *Eleocharis obtusa* (L.) Nees
 47. *Eleocharis palustris* (L.) Rostk Schmidt
 48. *Eleocharis tenuis* (L.) Rostk Schmidt
 49. *Eleocharis acicularis* (L.) Rostk Schmidt
 50. *Eleocharis obtusa* (L.) Nees
 51. *Eleocharis palustris* (L.) Rostk Schmidt
 52. *Eleocharis tenuis* (L.) Rostk Schmidt
 53. *Eleocharis acicularis* (L.) Rostk Schmidt
 54. *Eleocharis obtusa* (L.) Nees
 55. *Eleocharis palustris* (L.) Rostk Schmidt
 56. *Eleocharis tenuis* (L.) Rostk Schmidt
 57. *Eleocharis acicularis* (L.) Rostk Schmidt
 58. *Eleocharis obtusa* (L.) Nees
 59. *Eleocharis palustris* (L.) Rostk Schmidt
 60. *Eleocharis tenuis* (L.) Rostk Schmidt
 61. *Eleocharis acicularis* (L.) Rostk Schmidt
 62. *Eleocharis obtusa* (L.) Nees
 63. *Eleocharis palustris* (L.) Rostk Schmidt
 64. *Eleocharis tenuis* (L.) Rostk Schmidt
 65. *Eleocharis acicularis* (L.) Rostk Schmidt
 66. *Eleocharis obtusa* (L.) Nees
 67. *Eleocharis palustris* (L.) Rostk Schmidt
 68. *Eleocharis tenuis* (L.) Rostk Schmidt
 69. *Eleocharis acicularis* (L.) Rostk Schmidt
 70. *Eleocharis obtusa* (L.) Nees
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 73. *Eleocharis acicularis* (L.) Rostk Schmidt
 74. *Eleocharis obtusa* (L.) Nees
 75. *Eleocharis palustris* (L.) Rostk Schmidt
 76. *Eleocharis tenuis* (L.) Rostk Schmidt
 77. *Eleocharis acicularis* (L.) Rostk Schmidt
 78. *Eleocharis obtusa* (L.) Nees
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 81. *Eleocharis acicularis* (L.) Rostk Schmidt
 82. *Eleocharis obtusa* (L.) Nees
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 84. *Eleocharis tenuis* (L.) Rostk Schmidt
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 86. *Eleocharis obtusa* (L.) Nees
 87. *Eleocharis palustris* (L.) Rostk Schmidt
 88. *Eleocharis tenuis* (L.) Rostk Schmidt
 89. *Eleocharis acicularis* (L.) Rostk Schmidt
 90. *Eleocharis obtusa* (L.) Nees
 91. *Eleocharis palustris* (L.) Rostk Schmidt
 92. *Eleocharis tenuis* (L.) Rostk Schmidt
 93. *Eleocharis acicularis* (L.) Rostk Schmidt
 94. *Eleocharis obtusa* (L.) Nees
 95. *Eleocharis palustris* (L.) Rostk Schmidt
 96. *Eleocharis tenuis* (L.) Rostk Schmidt
 97. *Eleocharis acicularis* (L.) Rostk Schmidt
 98. *Eleocharis obtusa* (L.) Nees
 99. *Eleocharis palustris* (L.) Rostk Schmidt
 100. *Eleocharis tenuis* (L.) Rostk Schmidt

- My physical health will improve.
My emotional well-being will improve.
My civilian job/career will benefit.
My military career will benefit.
My financial situation will improve.
My marriage or other significant relationship will suffer.
My spouse and I will quickly adjust to each other when I return.
My children will be negatively affected.
I will be more likely to volunteer for similar future operations.
I will be more willing to stay in the Army National Guard/US Army Reserve/Regular Army.

Please indicate your expectations about what your deployment to the Sinai will be like. Use the scale below to indicate how much you agree or disagree with EACH of the following statements:

1=strongly disagree 2=disagree 3=neither agree nor disagree 4=agree 5=strongly agree 6=N/A

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

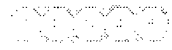
- My role will be well-defined during the deployment.
My leadership role will be important to the success of the mission.
My duties will be pretty boring during the deployment.
My life will be pretty boring during the deployment.

Comments:

ARMY ORGANIZATION

Please use the scale below to indicate how much you agree or disagree with the following statements. The term "military" in each question refers to your own military component, whether Army National Guard, US Army Reserve, or Regular Army.

1=strongly disagree 2=disagree 3=neither agree nor disagree 4=agree 5=strongly agree



I really feel as if the problems of the military are my own.



One of the major reasons I may stay in the military is that another organization may not match the overall benefits I have.



I feel like "part of the family" in the military.



I feel that I have too few options to consider leaving the military.



The military has a great deal of personal meaning for me.



It would be too costly for me to leave the military in the near future.



I am afraid of what might happen if I quit the military without having another job lined up.



It would be very hard for me to leave the military now even if I wanted to.



Too much of my life would be disrupted if I decided I wanted to leave the military now.



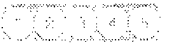
I feel a strong sense of belonging to the military.



Right now, staying with the military is a matter of necessity as much as desire.



I feel "emotionally attached" to the military.



One of the negative consequences of leaving the military would be the scarcity of available alternatives.



I think I could easily become as attached to another organization as I am to the military.



I enjoy discussing the military with people outside it.

Comments:

●

-

I will definitely leave the military before retirement.

- Very certain

- 15-19 years**

- Very certain



TRAINING & CIVILIAN LIFE

IF YOU ARE A MEMBER OF THE REGULAR ARMY, YOU MAY STOP HERE.

IF YOU ARE A MEMBER OF THE ARMY RESERVE, THE ARMY NATIONAL GUARD, OR THE INDIVIDUAL READY RESERVE, PLEASE ANSWER THE FOLLOWING QUESTIONS.

1. What component were you in during ANY previous service? (mark all that apply)

- ☐ Regular Army
- ☐ Army Reserve
- ☐ Army National Guard
- ☐ Individual Ready Reserve
- ☐ Other Armed Services, don't know, or can't answer

2. What component were you in JUST PRIOR to assignment to your current unit?

- ☐ Regular Army
- ☐ Army Reserve
- ☐ Army National Guard
- ☐ Individual Ready Reserve
- ☐ Other Armed Services, don't know, or can't answer

3. At which of the following Army Combat Training Centers did you experience training? (mark all that apply)

- ☐ National Training Center
- ☐ Joint Readiness Training Center
- ☐ Combat Maneuver Training Center
- ☐ None of the above

4. Indicate your Army specialty and professional development training. (mark all that apply)

1 = applies to you 2 = does not apply to you

- ☐ Ranger
- ☐ Airborne
- ☐ Pathfinder
- ☐ Air Assault
- ☐ Sniper
- ☐ Combat Life Saver
- ☐ Bradley Fighting Vehicle Leader Course
- ☐ Primary Leadership Development Course
- ☐ Basic Noncommissioned Officer Course
- ☐ Advanced Noncommissioned Officer Course
- ☐ Battle Staff Noncommissioned Officer Course
- ☐ Battle Skills Course (RC)
- ☐ Officer Basic Course
- ☐ Officer Advanced Course
- ☐ Combined Arms Services Staff School
- ☐ Command and General Staff College



5. Which of the following applied to you just before reporting for this training? (mark all that apply)

- ☐ Employed full-time (35 hours or more per week)
☐ Employed part-time (Less than 35 hours per week)
☐ Unemployed, looking for work
☐ Unemployed, not looking for work
☐ Attending college
☐ Trade/vocational school
☐ Not in school

6. If you were employed prior to this training, what was your civilian job?

☐ N/A - I was not employed
☐ Job Title: _____

7. If you were employed prior to this training, what was your annual income?

- ☐ N/A - I was not employed
☐ Under \$10,000
☐ \$10,001 - \$20,000
☐ \$20,001 - \$30,000
☐ \$30,001 - \$40,000
☐ \$40,001 - \$50,000
☐ More than \$50,000

8. Since your 18th birthday, how many full-time jobs have you had? (include your present job)

- ☐ N/A - I have not held a full-time job
☐ 1 - 2
☐ 3 - 4
☐ 5 - 6
☐ More than 6

9. Since your 18th birthday, how many times have you been unemployed for more than 3 months?

- ☐ N/A - I have not been unemployed for more than 3 months
☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6 or more

10. Do you plan to return to your former civilian job after completion of this mission?

- ☐ N/A - I was not employed
☐ Yes
☐ No
☐ Not sure

11. How easy will it be for you to return to your former civilian job?

- ☐ N/A - I was not employed or do not plan to return
☐ Very easy
☐ Easy
☐ Neither easy nor difficult
☐ Difficult
☐ Very Difficult
☐ Not sure

12. During the past year, how often have you performed tasks in your civilian life (job, hobbies, school, volunteer work) that were similar to tasks in your primary MOS?

☐ N/A - I have been on Active Duty for the past year
☐ Never ☐ Weekly
☐ A few times ☐ Daily
☐ Monthly

13. How well can you perform the tasks that are critical to your primary MOS in the Sinai?

☐ VERY WELL, I am ready without any additional training.
☐ FAIRLY WELL, I need only a few days of refresher training.
☐ I'M A BIT RUSTY, I need a couple of weeks of refresher training.
☐ NOT WELL, I would need nearly complete training.

14. Where did you get your MOS 11B (primary or secondary) certification?

☐ Not applicable - I am not MOS 11B certified
☐ Fort Benning
☐ Fort A P Hill
☐ Other (please specify) _____

Attitudes towards Roles and Missions

A. Role of the U.S. military

SCALE

1. Very unlikely
2. Somewhat unlikely
3. Somewhat likely
4. Very likely









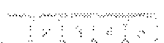




What do you think is the likelihood that the United States will be involved in each of the following kinds of deployments within the next ten years?

- a. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Peacekeeping force
- b. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Guerilla war
- c. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Limited conventional war
- d. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Large conventional war
- e. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Tactical nuclear war
- f. ☐ 1 ☐ 2 ☐ 3 ☐ 4 A war in which tactical chemical weapons are used
- g. ☐ 1 ☐ 2 ☐ 3 ☐ 4 A war in which tactical biological weapons are used
- h. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Strategic nuclear war
- i. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Humanitarian assistance after a domestic disaster
- j. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Restoration of order after a domestic disturbance or riot
- k. ☐ 1 ☐ 2 ☐ 3 ☐ 4 Overseas humanitarian assistance

SCALE

1. Strongly disagree
2. Disagree
3. Neither agree nor disagree
4. Agree
5. Strongly Agree

B. Attitudes toward Peacekeeping

1.  A soldier who is well-trained in basic military skills requires additional training for peacekeeping.
2.  Soldiers can be effective in a peacekeeping role even if they cannot use force except in self defense.
3.  Peacekeeping duty is boring.
4.  A peacekeeping force should be impartial in a conflict situation.
5.  Soldiers on peacekeeping duty should be unarmed.
6.  The primary mission of peacekeepers is to contain or reduce conflict without the use of force.
7.  Peacekeeping operations are appropriate missions for my unit.
8.  Peacekeeping assignments help a soldier's career.
9.  Peacekeeping operations are hardest on soldiers with families.
10.  A professional soldier is able to perform peacekeeping missions and war-fighting missions equally effectively.
11.  Peacekeeping missions should be performed by civilians rather than by soldiers.
12.  Peacekeeping missions should be performed by military police rather than by infantry.
13.  Reservists can perform peacekeeping missions as well as regular military personnel.

SCALE

1. Strongly disagree
2. Disagree
3. Neither agree nor disagree
4. Agree
5. Strongly Agree

C. Adjustment to Multinational Operations

1. ☐ ☐ ☐ ☐ ☐ It's much more difficult to work with foreign nationals than with people from the United States.
2. ☐ ☐ ☐ ☐ ☐ You can trust foreign nationals as much as you can trust people from the United States.
3. ☐ ☐ ☐ ☐ ☐ Most people from most countries are pretty much alike.
4. ☐ ☐ ☐ ☐ ☐ I like to travel.
5. ☐ ☐ ☐ ☐ ☐ I look forward to new experiences.
6. ☐ ☐ ☐ ☐ ☐ I like to try foreign foods.